	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	25822	(track or tracked or tracking or tracing or traced or tracing) near5 (status or delivery or parcel or package or mail or envelope or item or shipment)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/03/19 14:12
2	BRS	L2	112367	(track or tracked or tracking or tracing or traced or tracing) near5 (communication or channel or line or link or web or www or internet or intranet or net or network or lan or wan)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/03/19 14:12
3	BRS	L3	2608	1 same 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/03/19 14:13
4	BRS	L4	125156	(user or customer) near4 (id or account or identify or identified or identifying or identification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/03/19 14:13
5	BRS	L5	541	1 same 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/03/19 14:13
6	BRS	L6	110	3 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/03/19 14:14

Scanned Ti, Ab, Kwic all

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L7	10	((@pd<="19710101" not @pd<="19470101") and (705/1 or 705/401 or 705/410).ccls.) _Scanned Ti, Ab, Kwic all_	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/03/19 14:35

	Document ID	Issue Date	Inventor	Current OR	Current XRef	Pages
1	US 20020052794 A	20020502	BHADRA, S			16
2	WO 200227618 A	20020404	METOIS, E et al.			39
3	US 6772130 B1	20040803	Karbowski; Kenneth et al.	705/26		8
4	US 20020095306 A1	20020718	Smith, Joshua R. et al.	705/1	.	20

L6 results

TITLE: Mail tracking system produces list for mail delivery status information linked with user identifiers to track whether mail sent is received by intended recipient
INVENTOR: METOIS, E; MURPHY, M J ; SMITH, J R ; SUTHERLAND, A V ; YARIN, P M
PRIORITY-DATA: 2001US-0865889 (May 25, 2001) , 2000US-236976P (September 29, 2000)
PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200227618 A2	April 4, 2002	E	039	G06F 017/60
AU 200193172 A	April 8, 2002	N/A	000	G06F 017/60

INT-CL (IPC): G06F017/60

ABSTRACTED-PUB-NO: WO 200227618A

BASIC-ABSTRACT:

NOVELTY - The servers link the mail delivery status information with the user identifiers, and produce a list for the delivery status information of the mails directed to the respective users. The user then accesses the delivery status information through browser or client, to track whether the mails are received by intended recipients.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(a) Mail tracking and tracing method;
(b) Computer readable memory storing mail tracking and tracing program;
(c) Postal service computer system operating method

USE - To track delivery status of package, catalog, and other mails through companies or postal services or other delivery services, by checking personal webpage.

ADVANTAGE - The user tracks mail through delivery status information, thus avoiding contact with the intended recipient. Information about sent mails are provided in a personal webpage, and thus the user does not need to know identifying numbers for the respective mails.

DESCRIPTION OF DRAWING(S) - The figure shows a screen snapshot of a graphical user interface.

DERWENT-ACC-NO: 2002-499371
DERWENT-WEEK: 200253
TITLE: Package tracking method for online delivery management, involves associating entered tracking numbers with user ID based on which packages associated with numbers are tracked by user
INVENTOR: BHADRA, S
PRIORITY-DATA: 2000US-235267P (September 25, 2000) , 2001US-0962422 (September 24, 2001)
PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020052794 A1	May 2, 2002	N/A	016	G06F 017/60

INT-CL (IPC):   G06F017/60, G06G001/14

ABSTRACTED-PUB-NO: US20020052794A

BASIC-ABSTRACT:

NOVELTY - A user inputs specific number into a tracking system using a primary wireless communication device. The numbers are associated with the user ID. The user is allowed to track packages associated with the numbers using a secondary communication device without requiring the user to reenter the tracking numbers.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) Packages tracking system;
(2) Computer readable medium storing instructions for tracking packages.

USE - For online delivery management of various packages, shipping management through Internet.

ADVANTAGE - Allows the user to use wide variety of communication devices, to initially track and re-track a package during course of delivery without need to re-enter the entire information.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of tracking system.

PGPUB-DOCUMENT-NUMBER: 20020095306
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020095306 A1
TITLE: Personal mail piece tracing and tracking mechanism
PUBLICATION-DATE: July 18, 2002
INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Smith, Joshua R.	Cambridge	MA	US	
Way, Paul Michael	Cambridge	MA	US	
Murphy, Michael J.	Salem	NH	US	
Sutherland, Andrew V.	Concord	MA	US	
Metois, Eric	Arlington	MA	US	

US-CL-CURRENT: 705/1

ABSTRACT: A system and method for linking data objects and physical objects of various kinds to an identified user is described. The system provides to the identified user information relating to the delivery status of mail pieces directed to or sent by the user, and the user then tracks and traces the mail pieces. The system further provides to the identified user information relating to continued sessions through which the user provides to a postal service system information relating to mailing labels and postage.

---------- KWIC ---------

Abstract Paragraph - ABTX (1): A system and method for linking data objects and physical objects of various kinds to an identified user is described. The system provides to the identified user information relating to the delivery status of mail pieces directed to or sent by the user, and the user then tracks and traces the mail pieces. The system further provides to the identified user information relating to continued sessions through which the user provides to a postal service system information relating to mailing labels and postage.

Summary of Invention Paragraph - BSTX (10): [0009] The invention is a personal tracking and tracing system that provides a user with information relating to the delivery status of packages, catalogs or other mail pieces sent to or by the user through various catalog companies, delivery services, and/or the postal service. The system provides a user with information about the mail pieces through a personal web page, and thus, the user does not need to know identifying numbers for the respective mail pieces. Further, the user does not even need to know that a particular package has been sent before he or she learns through the personal tracking and tracing system to expect a delivery. The system updates the delivery status information, i.e., expected delivery dates, current locations and so forth, based on information supplied by the delivery companies and/or the postal service. Thus, to keep track of the changes to the delivery status, the user has only to check his or her web page rather than inquire at the various companies or the postal service and/or sort through e-mail messages from them.

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Detail Description Paragraph - DETX (36): [0051] As discussed, the Postport system links information about mail pieces to a user ID, such that the user can, through his or her personal web page, personally track and trace mail pieces directed to or sent by the user. The system may also link other information to the user ID, such as, for example, information associated with one or more postal transaction sessions. The user can then start, continue and end a given postal transaction session at any time by communicating with the system through his or her personal web page from virtually any PC or any postal station terminal, or node, that is capable of communicating with the postal servers 170. The Postport system may, for example, link information for use in printing mailing labels, buying and printing postage, and so forth, to the assigned user ID, such that the user can later access the information to continue, resume or end a given postal transaction session from, for example, a terminal of a postal station 176, 178.

Detail Description Paragraph - DETX (43): [0058] The system encompasses variations of the components and operations discussed herein. For example, the system may assign more than one user ID to a given user, based on multiple postal addresses. The system then provides the user with the capability to individually track and trace mail pieces sent to or from the different addresses.

Claims Text - CLTX (9): 8. A method for tracking and tracing mail pieces including the steps of: A. associating respective users with user identifiers; B. associating with the identified users mail pieces directed to or sent by the respective users; C. linking mail piece delivery status information relating to the respective mail pieces to the respective user identifiers; D. providing to a given user a listing of the respective mail pieces and the associated mail piece delivery status information that is linked to the user identifier that corresponds to the given user.

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US-PAT-NO: 6772130
DOCUMENT-IDENTIFIER: US 6772130 B1
TITLE: Method for parcel tracking on the internet with e-mail notification
DATE-ISSUED: August 3, 2004
INVENTOR-INFORMATION:

NAME	CITY STATE	ZIP CODE	COUNTRY	
Karbowski; Kenneth	Farmington	CT	N/A	N/A
Boucher; Glen A.	Ansonia	CT	N/A	N/A
Krouch; Richard J.	Milford	CT	N/A	N/A
Miller; Ronald S.	Milford	CT	N/A	N/A
Njo; Angela	Shelton	CT	N/A	N/A

US-CL-CURRENT: 705/26

ABSTRACT: The present invention discloses a package tracking system and method in which a sender and a recipient of a package are provided e-mail messages including information from a sender or carrier web page and the package location status. The present invention uses a network-based service for transferring tracking information from a package carrier and the sender to the requesting party. A package tracking request, including a tracking number and an e-mail address is submitted to a data center. This tracking request is stored in a set of queues, separated by a specific carrier identification number into tracking segment requests, and then sent to the tracking website of the selected carrier in accordance with the capabilities of each carrier's website. The carrier package tracking results from the website and the information from the sender or carrier website are gathered and stored at the database. An e-mail message is sent to the intended recipient including the status and any information gathered from the sender's website.
1 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

---------- KWIC ---------

Abstract Text - ABTX (1): The present invention discloses a package tracking system and method in which a sender and a recipient of a package are provided e-mail messages including information from a sender or carrier web page and the package location status. The present invention uses a network-based service for transferring tracking information from a package carrier and the sender to the requesting party. A package tracking request, including a tracking number and an e-mail address is submitted to a data center. This tracking request is stored in a set of queues, separated by a specific carrier identification number into tracking segment requests, and then sent to the tracking website of the selected carrier in accordance with the capabilities of each carrier's website. The carrier package tracking results from the website and the information from the sender or carrier website are gathered and stored at the database. An e-mail message is sent to the intended recipient including the status and any information gathered from the sender's website.

TITLE - TI (1): Method for parcel tracking on the internet with e-mail notification

Brief Summary Text - BSTX (7): However, the '813 patent merely provides the ability for the user to maintain files relative to shipments made with different carriers. The '051 patent discloses a paperless parcel tracking system capable of reading bar codes on packages, capturing signatures and alphanumeric data related to the parcels using a touch panel display. The parcel data is stored and transmitted to a host system at a convenient time without the need of paper records. Neither the '051 patent nor the '813 patent provides multi-carrier automatic tracking over the Internet or the ability for seller to be visibly presented to the customer after a mail order purchase has been placed.

Brief Summary Text - BSTX (8): Most recently, the introduction of wide area networks, such as the Internet, has enabled customers to track their package status by directly accessing carrier websites. These systems are designated such that the customer can track shipping status by entering the package tracking number into the website form. This, however, requires the customer to actively request the package status. One solution to this problem is found in U.S. Pat. No. 6,047,264 (hereinafter "the '264 patent") issued to Fisher, et al., which discloses a method and system for automatically providing customers with their purchase order status via electronic mail over a computer network, without the aid of a human customer service representative and without the need for a user profile. However, this system does not enable retailers the ability to directly communicate with their customer to offer other items and promotions.

Brief Summary Text - BSTX (10): In the package tracking system and method according to the present invention, a sender and a recipient of a package are able to determine the package's location while it is enroute for delivery. At the same time the recipient is given a message about the delivery status, the sender is provided an opportunity to directly present information to the recipient about similar or collateral products and/or services. In order to achieve this result, the present invention uses a network-based service, in particular, the Internet, to provide the means for transferring tracking information from the carrier responsible for delivery of the package and product/service information from the sender to the requesting party. In particular, the present invention comprises a tracking system for a shipping system determining a carrier to be used for shipping a package to a recipient and for storing package tracking data at a shipping system database. The invention includes submitting a package tracking request to a data center including a tracking number associated with a package to be sent from the sender to the recipient by a selected carrier; and an e-mail address for receiving information about the package tracking status and information about the retailer. This tracking request is stored in a queue and separated by a specific carrier identification number into tracking segment requests. The tracking requests are then sent to the tracking website of the selected carrier in accordance with the capabilities of each carrier's website. The results from the carrier package tracking website are gathered and stored at the database. Information from the sender's website is then gathered from the corresponding sender's website and stored in combination with the updated shipping data. An e-mail message is sent to the intended recipient including the status and any information gathered from the sender's website.

Detailed Description Text - DETX (2): Now turning to FIG. 1, there is shown an overall system diagram of the parcel tracking system of the present invention. Database 20 stores the customer and package information for use in the tracking process. It is to be understood that the access customer may also be any user of the tracking system. The customer and package information includes a customer identification to identify a specific customer and access the system, an e-mail address to be used for automatic notification of package delivery status, an address for delivery and specific package details, such as size, package type, tracking number, etc. Database 20 sends the identical information to dispatcher 30 which determines the carrier based upon the database information and sends it to a specific carrier queue 40. Each tracking number has a specific, predetermined format for the identified carrier, enabling separation of the requests into carrier queues based upon the format of the tracking number. For example UPS.RTM. tracking numbers are formatted as eighteen number digits such as 1Z1021W70300005060 where the first two numbers are constant for domestic mail, the next six are an account number the nex two represent a service code, and the last are a tracking number, FedEx.RTM. tracking numbers are formatted as 30086151811 which also may be broken down into a constant number, an account number, service code and tracking number.

Detailed Description Text - DETX (5): The overall system also includes components which enable a user to query the system directly about the delivery of specific parcels. In this alternate embodiment, web page 100 is provided for receiving a tracking request. The request is communicated by website 100 to instatracker 110 which then sends the request to carrier components 60 which obtains the delivery information from carrier website 75 through Internet 70. Business component 80 receives tracking information from tracking component 50 and is updates database 20. Again, e-mail component 90 queries database 20 for batch notifications and sends a tracking status update e-mail message to the e-mail address.

Detailed Description Text - DETX (8): In addition, other carriers may permit only a fixed number of tracking requests within a specified period of time, without regard to the frequency of such requests. Thus, it is the obligation of the shipping server tracking component 50 to ensure that tracking requests are controlled with respect to the frequency of their generation in view of the requirements of each of the carrier tracking websites. This is accomplished by tracking component 50. Tracking component 50 generates tracking requests for delivery over the Internet 70 to the associated carrier tracking website 75. Tracking requests are designated by tracking component 50 for each carrier in which tracking information is desired. Tracking component 50 obtains information for these tracking requests from corresponding carrier input tracking request queue 40. For each tracking object within a tracking request queue, tracking component 50 obtains that request through an associated programming thread since tracking component 50 operates in a multi-threaded manner.

Detailed Description Text - DETX (11): Now turning to FIG. 2B, the method continues along path A to step 270 where the information gathered at carrier components 60 from

carrier website 75 through Internet 70 is sent to tracking component 50, then to be communicated to business component 80. Business component 80 determines the necessary parcel delivery or non-delivery updates for database 20. The method proceeds to step 330 where the system is queried as to whether or not new status information exists for the identified parcel tracking number. If the answer to the query at step 330 is "no", then the method proceeds to step 340. At step 340, the method queries as to whether or not a predetermined period of time has passed without change in tracking status. If the answer to the query is "yes", then the tracking system for the identified tracking number is terminated. If, however, the answer to the query at step 340 is "no", then the method proceeds to connector B and re-enters the method flow at connector B on FIG. 2A where the method flow continues by repeating the same process beginning at step 230.

Claims Text - CLTX (1): 1. A method for tracking a customer's parcel in a shipping system, and determining from said parcel's sender similar or collateral products, comprising the steps of: a. entering by a customer, at a data center a set of parcel data, said set of parcel data including at least a parcel tracking number and an e-mail address of said customer; b. determining by the data center, based on said set of parcel data, a carrier who is shipping said parcel; c. submitting by the data center, said parcel tracking number to a web page of said carrier; d. receiving by the data center, updated shipping information from said carrier's web page, said updated shipping information including the tracking status of said parcel and the location of said parcel while said parcel is enroute for delivery; e. determining by the data center, based on said set of parcel data submitted to said carrier's web page, a sender of said parcel; f. querying by the data center, a web page of said sender for sender information, said sender information regarding similar or collateral products offered by said sender; g. receiving by the data center, said sender information from said sender's web page; h. combining by the data center, said updated shipping information and said sender information in an e-mail message; and i. sending by the data center, said e-mail message to said customer's e-mail address.

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